

DSC-TX9/R



AVCHD



Photographic brilliance meets styling design elegance in the Sony's DSC-TX9. Capture impressive landscapes with iSweep Panorama and in 3D.¹⁰ and Get clear and crisp images in low light thanks to Sony's "Exmor R" CMOS sensor. You'll also be impressed by Superior Auto, Background Defocus and Full HD 1080/60i AVCHD movies.⁸ Enjoy it all on an easy to view 3.5" touch screen¹.

- 3D Sweep Panorama
Capture vast scenic vistas and 16:9 shots in spectacular 3D. As you sweep across the panorama, the camera records separate right-eye and left-eye images that make landscapes come alive on your 3D television.⁸
- Intelligent Sweep Panorama Mode
Capture expansive landscapes with Intelligent Sweep Panorama Mode. Press shutter and sweep and the camera does the rest, continuously, shooting images and in one second stitching them together. This model even detects faces and moving subjects to stitch intelligently different widths to help avoid subject distortion.
- 12.2 Megapixel Back-illuminated "Exmor R" CMOS Image Sensor
The DSC-TX9 features a 12.2 megapixel "Exmor R" CMOS image sensor that brings out the full resolving power of the camera's Carl Zeiss® Vario-Tessar® lens to deliver extremely fast speed, high resolution, and stunning low-light sensitivity with improved image clarity and drastically reduced grain. In addition, the combined "Exmor R" CMOS sensor and BIONZ™ image processor delivers extremely fast 10fps, Anti Motion Blur, Hand-held Twilight and 1080i movie modes⁹.
- 1080i AVCHD Movie Mode⁸
Record movies in 1080i AVCHD /MP4 high definition at 60⁸. With HDMI connectivity you may enjoy instant playback on compatible HDTV or LCD of the camera. The AVCHD format captures a high degree of detail and smooth movement, and when footage is burned to disc, can be played back on Blu-ray Disc™ players, Sony® PlayStation® 3 systems and compatible PCs and HDTVs.⁷ The convenience Movie start/stop icon makes it easy to access this mode via dedicated movie start/stop button.

- 3.5" Xtra Fine LCD™ touch screen display¹ w/TruBlack™ technology
A large 3.5" Xtra Fine LCD™ touch screen display¹ w/TruBlack™ technology (921K pixels), the largest of Sony's Cyber-shot DSC line makes it easy for viewing and sharing images with simple and fun touch screen operation. With its Ultra AR film coating, which reduces reflections and increases contrast and brightness, viewing images on the LCD even in bright light is possible.
- Superior Auto mode
Get cleaner, more dynamic pictures and fewer missed shots. The camera automatically recognizes the correct scene mode, then quickly shoots and combines up to six shots to produce images with greater clarity, optimum dynamic range using backlight correction HDR technology and lower image noise using 6 shots layering technology.
- Background Defocus
DSLR photographs are often beautiful because they blur the background, putting the emphasis on your subject. Now our point-and-shoot cameras can deliver this signature DSLR benefit. The system takes two shots, identifies the background and applies a defocused background while keeping your subject crisp and clear.
- High speed shooting
The DSC-TX9 can capture full 10.2 megapixel resolution images at up to 10 frames per second, helping to ensure that you capture the decisive moment such as the soccer ball flying into the goal. In addition, the DSC-TX9 employs a mechanical shutter that helps reduce distortion when continuously shooting moving subjects.
- Carl Zeiss® Vario-Tessar® Lens with 25mm equivalent wide 4x Optical Zoom
The high-performance Carl Zeiss® Vario-Tessar® 4x optical zoom lens brings distant subjects closer for video recording as well as for outdoor, sports, and travel photos, and Close Focus shoots close-ups up to just under ½" from the subject. A wide angle of 25mm equivalent wide-angle lens allows you to take wider shots of the scene or group in crowded spaces.

- HDMI™ output
The High-Definition Multimedia Interface (HDMI™) is a compact audio/video connector interface for transmitting uncompressed digital streams. HDMI connects digital audio/video sources such as a compatible camcorder, Blu-ray Disc™ player, a personal computer, a video game console, or an AV receiver to a compatible digital audio device and/or video monitor such as a digital television (DTV).

ADDITIONAL FEATURES

- Soft Skin mode
- Tracking Focus
- Natural Flash
- Sweep Multi Angle
- Anti-Motion Blur Mode
- Hand held Twilight
- Backlight Correction HDR
- TransferJet™ technology
- High Sensitivity Mode (ISO 3200)
- Self-Portrait Timer
- Stylish Ultra-slim Design
- Intelligent Auto (iAuto) mode
- Scene modes
- Intelligent Scene Recognition (iSCN) Mode
- Optical SteadyShot™ image stabilization
- Easy Touch Screen Interaction
- DVDirect® DVD recorder Compatible
- HD MP4 Movie Mode⁸
- Compatible with PC and MAC Systems
- Face Detection technology
- Motion Detection
- Smile Shutter™ technology
- Anti-blink Function
- Intelligent AF
- PHOTOMUSIC
- Viewing modes
- Function Guide
- Wide zoom display
- In-Camera Retouching Tools
- Easy Shooting Mode
- BIONZ™ Image Processor
- PhotoTV HD
- Creative painting tools
- Custom Background Color
- Lithium-ion battery
- Media card slot
- Includes Sony® PMB (Picture Motion Browser) Software ver. 5.32
- Includes Sony® PMB Portable software³
- Colors Available



DSC-TX9/R

Specifications

Camera

Camera Type: Sleek and Stylish touch panel with high technology

Convenience Features

Power Save Mode: Standard / Stamina / Off

Date/Time Stamp: Available in the included PMB software.

Media/Battery Indicator: Yes/Yes

Red-Eye Reduction: Auto / On / Off

LCD Display

Histogram: No

LCD Type: 3.5" Xtra Fine TruBlack (921K pixels)

Customization: Yes

Grid Display: Yes

Flash

Flash Coverage: ISO Auto: Approx.0.08-Aprox.3.8m (Approx.0.26'-Aprox.12.47')(W) / Approx.0.5-Aprox.3.1m(Aprox.1.64'-Aprox.10.17')(T), ISO3200: up to Aprox.8.0m(Aprox26.25')(W) / Approx.6.3m(Aprox20.67')(T)

Flash Modes: Pre-Flash / Auto Daylight Synchro / Natural/ Auto / On / Slow Syncro / Off

Viewfinder

Type: None

Optics/Lens

Aperture: iAuto(F3.5-F6.3(W)) / Program Auto(F3.5-F6.3 (W))

Focal Distance: 4.43-17.7mm

Smart Zoom® Technology: 8M: Approx.4.9x(Total), 5M : Approx.6.2x(Total), VGA : Approx.25x(Total), 16:9 (2M) : Approx.8.3x(Total)

Digital Zoom: Smart Zoom / Precision Digital Zoom / Off

Optical Zoom: 4x

Macro Mode: iAuto(W:Approx.1cm(0.39") to Infinity, T:Approx.50cm(1.64") to Infinity)

Total Zoom: Approximately 8x with Precision Digital Zoom

Focal Length (35mm equivalent): Still shots: 25-100mm / Movie 16:9: 27-108mm / Movie 4:3: 33-132mm

Lens Construction: 12 elements in 10 groups(including 6 aspheric elements,1 prism)

Lens Type: Carl Zeiss® Vario-Tessar®

Power

Battery Type: LITHIUM ION N type 3.6V

Battery Capacity: Approx. 115 minutes / Approx. 230 images (when shooting still images)

Power Consumption (in Operation): Approx. 1.0W

Software

Supplied Software: Picture Motion Browser Ver 5.3, PMB Portable 5.2 (for Windows), PMB Portable 1.2 (for Macintosh), Music Transfer

Operating System Compatibility: Microsoft® Windows XP SP3, Windows Vista SP2, Windows 7, Macintosh® OS X (v10.4-v10.6)

Operating Conditions

Flash Mode(s): Auto / On / Slow Syncro / Off

Advanced Features

Image Stabilization: Optical SteadyShot™ Image Stabilization

In-Camera Editing: Trimming / Red Eye Correction / Unsharp Masking

NightFraming System: No

Face Detection: 8 Faces (Auto / Touch / Child Priority / Adult Priority)

NightShot® Infrared System: No

Anti Motion Blur: Yes

Background Defocus: Low / Mid / High

Blink Detection: Yes

Dustproof: No

Embedded GPS: No

Freezeproof: No

Intelligent Auto: Yes

Shockproof: No

Smile Shutter™ technology: Yes

Superior Auto: Yes

Sweep Panorama: Intelligent Sweep Panorama / 3D Sweep Panorama

Tracking Focus: Yes

Waterproof: No

Drive System

Burst Mode: Approx 10 fps at 12.2MP (Maximum 10 shots)

Drive Mode: Normal / Hi-Speed Burst (High/Mid/Low)

Self-timer: Yes (Off / 10sec. / 2sec./ portrait1 / portrait2)

Shutter Speeds: iAuto(2" - 1/1,600) / Program Auto(1" - 1/1,600)

Interface

PictBridge Compatible: No

TransferJet: Single / Select

HD Output: HDMI / Component (1080)

SD Output: Yes

USB Port(s): Yes - USB2.0 Hi-Speed

BRAVIA® Sync™ : Yes

DVDirect: Yes

Memory Card Slot: MS Duo and SD/SDHC/SDXC Compatible

Party Shot Compatible: Yes

PhotoTV HD: Yes

Imaging Sensor

Processor: BIONZ™

Imaging Sensor: 1/2.3" (7.81mm) "Exmor R" CMOS Sensor

Effective Picture Resolution: 12.2MP

Pixel Gross: 12.8MP

Exposure System

D-Range Optimizer: Standard

ISO: Auto / 125 / 200 / 400 / 800 / 1600 / 3200

Noise Reduction: Clear Raw N/R

Scene Mode(s): High Sensitivity / Twilight / Twilight Portrait / Soft Snap / Landscape / Beach / Snow / Fireworks / Hi-Speed Shutter / Underwater / Gourmet / Pet / Soft Skin

White Balance Mode: Auto / Daylight / Cloudy / Fluorescent 1(White Fluorescent Lighting) / Fluorescent 2 (Natural White Fluorescent Lighting) / Fluorescent 3 (Day White Fluorescent Lighting) / Incandescent / Flash / One Push.

Exposure Compensation: Plus / Minus 2.0 EV, 1/3 EV step

Metering Modes: Multi Pattern / Center Weighted / Spot

Recording

Media Type: 32MB internal Flash Memory, optional Memory Stick Duo™ Media, optional Memory Stick PRO Duo™ Media, optional Memory Stick PRO DUO (High Speed), optional Memory Stick PRO HG-Duo™, optional SD/SDHC/SDXC media¹³

Microphone/Speaker: Stereo / Mono

Still Image Max Effective Resolution: Approx. 12.2 Megapixels

Video Mode: AVCHD 1920x1080 (59.94i, Interlace) (Approx.17Mbps) / 1440x1080 (59.94i, Interlace) (Approx.9Mbps) MP4 1440x1080 (29.97fps, Progressive) (Approx.12Mbps) / 1280x720 (29.97fps, Progressive) (Approx.6Mbps)/VGA (640x480)(29.97fps, Progressive) (Approx.3Mbps)

Panorama Still Image Size: 2D Panorama (size:Max. degrees of sweep angle) 7,152 x 1,080(281deg) / 4,912 x 1,080(193deg) / 4,912 x 1,920(194deg) / 3,424 x 1,920 (135deg); 3D Panorama (size:Max. degrees of sweep angle) 7,152 x 1,080(281deg) / 4,912 x 1,080(193deg) / 4,912 x 1,920(194deg) / 3,424 x 1,920(135deg) / 1,920 x 1080(7deg)

Still Image Size 16:9: 9M(4,000 x 2,248) / 2M(1,920 x 1,080)

Still Image Size 4:3: 12M(4,000x3,000), 8M(3,264x2448), 5M(2,592x1,944), VGA (640x480)

Video Format: AVCHD, MP4

Sweep Multi Angle Image Size: 1,920 x 1,080(15views)

Video Resolution: AVCHD 1920x1080 (59.94i, Interlace) (Approx.17Mbps) / 1440x1080 (59.94i, Interlace) (Approx.9Mbps) MP4 1440x1080 (29.97fps, Progressive) (Approx.12Mbps) / 1280x720 (29.97fps, Progressive) (Approx.6Mbps)/VGA (640x480)(29.97fps, Progressive) (Approx.3Mbps)

Focus Control

AF Illuminator: Auto / Off

AF Modes: 9 points AF / Center Weighted AF / Spot AF / Flexible Spot AF (touch)

Dimensions

Weight: Body: Approx. 4.7oz. (133g), With battery and Memory Stick media: Approx. 5.3oz. (149g)

Measurements: W x H x D: 3 7/8" x 2 3/8" x 23/32" (97.8mm x 59.5mm x 17.5mm)

Service and Warranty Information

Limited Warranty Term: 1 Year Parts & Labor

Supplied Accessories

Rechargeable Battery (NP-BN1)

Battery Charger

A/V Cable

USB Cable

wrist Strap

Paint Pen

CD-ROM

Multi Output Stand

Optional Accessories

Accessory Kit (ACC-CLGB)

Party Shot

Memory Stick PRO Duo™ Media (MSX-512S)

Memory Stick PRO Duo™ Media (MSX-1GST)

Memory Stick PRO Duo™ Media (MS-MT2G)

Memory Stick PRO Duo™ Media (MS-MT4G)

Memory Stick PRO Duo™ Media (MS-MT8G)

Memory Stick PRO Duo™ Media (MS-MT16G)

Memory Stick PRO Duo™ Media (MS-MT32G)

Memory Stick PRO-HG Duo™ "HX" Media (MS-HX16G)

Memory Stick PRO-HG Duo™ "HX" Media (MS-HX8G)

Memory Stick PRO-HG Duo™ "HX" Media (MS-HX4G)

Memory Stick Duo™ USB Adaptor (MSAC-US40)

Memory Stick PRO-HG Duo™ "HX" Media (MS-HX32G)

2GB SD Card (SF-2N1)

4GB SDHC Card (SF-4N4QJ)

8GB SDHC Card (SF-8N4QJ)

16GB SDHC Card (SF-16N4)

32GB SDHC Card (SF-32N4QJ)

Color: Red

UPC Code: 027242793088

1.Viewable area, measured diagonally

2.PMB requires Microsoft® Windows® XP SP3 / Windows Vista® SP2 / Windows 7. Picture Motion Browser software not supported by Mac OS. Movie format is compatible with iMovie® '09 or later versions.

3.Uploading directly to the web requires PMB Portable software and USB cable (included), and PC with internet connectivity. Windows® XP SP3 64-bit and Starter Edition and Windows Vista® Starter Edition environments not supported.

4.When fully charged, Actual results may vary based on product settings, usage patterns and environmental conditions. Battery capacity decreases over time and use.

5.Compatible BRAVIA® HDTV, and component cable required for PhotoTV HD viewing. Specifications for BRAVIA HDTV shown vary according to market region.

6.Four preset music tracks stored in internal memory. Imported music tracks can be up to five minutes long. When using Music Transfer to download music, tracks longer than five minutes will be reduced to five minutes when uploading to the Cyber-shot® camera.

7.Movie recording is limited to 29 minute segments.

8.3D viewing requires 3D HDTV, a high speed HDMI® cable (supporting at least 10 Gbps) connection and 3D glasses (all sold separately).

9.TransferJet™ enabled media (sold separately) and TransferJet™ technology required in both devices. Interoperability and compatibility among TransferJet™ enabled devices may vary.

10.HD Viewing requires an HD output adapter cable (VMC-MH1) and compatible HDTV, both sold separately.

11.When using movie mode Memory Stick PRO Duo with MARK2 logo, Memory Stick PRO-HG, Class 4 or higher for SD/SDHC/SDXC media are recommended.

12.Requires compatible wireless access point(s). Some features may rely on Internet services.

© 2010 Sony Electronics Inc. All rights reserved. Reproduction in whole or in part without written permission is prohibited. Sony, Cyber-shot, Optical SteadyShot, BIONZ, Xtra Fine LCD, Smile Shutter, TruBlack, TransferJet, Exmor R, Sweep Multi Angle, Angle, Smile Shutter, DVDirect, BRAVIA, Memory Stick PRO Duo, Memory Stick Duo and the Memory Stick logo are trademarks of Sony. PlayStation is a trademark of Sony Computer Entertainment. Microsoft, Windows, and Windows Vista are trademarks of Microsoft Corporation. Blu-ray Disc is a trademark. HDMI is a trademark of HDMI Licensing LLC. iMovie, Mac, and the Works with iMovie logo and the Mac logo are trademarks of Apple Computer, Inc. All other trademarks are trademarks of their respective owners.

Please visit the Dealer Source for more information
at www.sony.com/dealersource